V 2

G. R. S. 58]

Previous references.
San. 150 - 08 (1 & 2).

File No. 158 – 09

Serial Nos. 1 – 8

19[illegible]

(Sanitary)

Later references.
Y. B. 250 - 11 (1 - 6).
dB. 37 - 12. 1. 2. 46.
Sanit. 242 for

1:50
E

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1 – 8

Part B for July, 1911.

SUBJECT.

Establishment of a Bacteriological Laboratory (R. A. Subj no. 411 of 1909)

Mr P. Bosworth Smith, R. A. member, K. G. F. Mining Board:.
Recommends - the establishment of a Bacteriological Laboratory

2. To the Sanry. Com^r, no 8856 & 4. 4. 10: Requests his opinion on the matter of Sl. 1.

3. from Do, no 5479 & 14. 5. 10: States that it is absolutely necessary to have a small Health Laboratory on the K. G. F.

4. To Do, no 3090 & 29. 9. 10: Requests him to submit in consultation with the Sanry. Board, K. G. F., definite proposals in the matter of establishing the Health Laboratory.

5. from Do, no 475-3 & 20. 4. 11: Submits the proposals called for.

6. To Do, no 9519 & 20. 5. 11: Observes that the working charges are [illegible] in excess of those proposed for the laboratory at Mysore

GPB—5,000—22-10-10

which is only Rs 30/-, requires the details for this Rs 30/- and states that the entire charges will have to be met by the Sanitary Board.

7 From Do, no. 5424.5 30.5.11: gives the details for the above Rs 30/-

G.O. no 201-4 0 31.1.11: Sanctions, on certain conditions the establishment of a Bacteriological Laboratory at the K.G.H

G.R.S. 11] 1909.—10

GENERAL AND REVENUE SECRETARIAT.

(Sanitary)

NOTES.

File No. 158-09

FILE HEADING.

Establishment of a Bacteriological laboratory
D.R.H.S. No 411 of 1909

~~From~~

~~No.~~ ~~Dated~~ ~~Received~~

Diary No. 6643 | Enclos | Spare Copies | Serial No. 1

BRIEF ABSTRACT OF LETTER.

SUBJECT No. 411.
Epidemic Diseases.
Mr. P. Bosworth Smith, Kola Gold Fields Mining Board.

Summary of discussion.—(*a*) The Board congratulates the Government on, and gratefully acknowledges, the improvement evident since the appointment of the Medical Officer of Health.

(*b*) Recommends the establishment of a Bacteriological Laboratory, and

(*c*) Notes with pleasure that the work of covering over the Bethamangalam Water Distribution Tank at Champion Reef will be entered in the current year's budget for orders of Government.

Reply of Government.—Note

Sanitary
D. 6643/1
15.8.09

Sections I & II may note (a) & (c).

(b) Establishment of a Bacteriological Laboratory — A similar recommendation was made in the address presented to the

NOTES—First sheet

GPB—30,000—3-4-07.

G.R.S. 12]
General and Revenue
Secretariat.

San File No. 158 of 1909. 6643 2

Serial No.

The Dewan at the Representative Assembly of 1908, by Mr A Gifford on behalf of the K.G.F. Mining Board and in this office letter No 8739/San 150.08.28 9.3.09, that gentleman was informed that the opening of a Health Institute at Bangalore with a Bacteriological Laboratory included therein, is under the consideration of Govt.

2. About the opening of the Health Institute no orders have yet been passed. Submitted for orders.

NM 29.3.10

3. It seems to be the intention of the Sanl Comm to have a small Laboratory in the K.G.F. fields under the Health officer. The representation may be forwarded to them for favour of opinion please put up draft.

28 3 10. MWW

4. Draft submitted

18 Cr) 31 3 10 MWW

NM 29.3.10

1.5.97 1.4.10

5. Approved MWW 31/3/10

6 Issue 1.4.10. MWW

NOTE—Contn. sheet.

GPB—55,000—27-4-09

G. R. S. 12]
General and Revenue
Secretariat.

Sai File No 158 of 1909.

Serial No.

2 To the Sanry comr. no 8856 D 4.4.10 invites his attention to the above representation & requests his opinion in the matter

3 8 From the Sanry comr. no. 5479 D. 14-5-10. States that it is absolutely necessary to have a small Health Laboratory on the fields, that all details regarding its fittings etc have been decided upon and all that is wanted is couple of rooms near the residence of the Health officer, to locate the laboratory.

4 The details re the fitting up of a Health Laboratory on the Fields have not yet been communicated to Govt. If approved the Sany comr may be asked to communicate the details as also to submit proposals for the proper location of the Laboratory in consultation with the President of the Sanry Board K.G.T. Submitted

NM 25-5-10. 10 Please put up draft

26.5.10. Mw IV A.D. 27/5

11 Draft submitted

Mw 27.5.10 18 Cr 28-5-10. Mw

12 Awaits proposals from the Sanitary Commr

2288 30.5.10

NOTE—Contn. sheet.

GPB—55,000—27-4-09.

NM 30/5/10 Mw 30.5

Serial No.	
	Subject
	13 No proposal has been received from the Sanitary Commissioner as per draft in the file may the same be called for or two reminders
	14 filed 21.9.10
	15 Please call for definite proposal 23.9.10
883 23-9-10	16 Revised draft submitted 24.9.10
	17 To the Sanitary Commissioner, No 3020 dated 29.9.10 Sam 158-9-4 Requesting him to submit in consultation with the Sanitary Board, Kolar Gold Fields, definite proposals in the matter of establishing a Health Laboratory in the Kolar Gold Fields with information as to the cost of fitting up the Health Laboratory the establishment required for working it, the place where the Laboratory may be located & the source in the current year's budget from which the expenditure involved will be met.

NOTE.—Contn. sheet.

GPB—55,000—27-4-10

G. R. S. 12]
General and Revenue Secretariat.

Sen File No. 158 of 1909-10

Serial No.	
5	18 From the Sanitary Commissioner, No. 4753, dated 20:4:1911. Submits proposals regarding the establishment of a Bacteriological Laboratory on the Kolar Gold Fields.
	19 The file is put up for reference to Dr. Ramsay, Health Officer, Kolar Gold Fields and was submitted to the Dewan on the 10th April 1911.
Note received on 9.5.11	20 From the reference now received it is observed that the Sanitary Commr, Kolar is of opinion that the cost of the proposed Laboratory should be met from provincial funds as the Sanitary branch cannot afford to meet the expenditure.
	21 As regards the question of locating the Laboratory, the President states that it may be located in the house which was till recently occupied by the Health Officer, originally built at Robertsonpet by the Sanitary Branch, for a Sanitary Inspector on a rent of Rs 25/- per month. The Sanitary Commr approves the proposal.
	22 The Cost of the fittings for the Laboratory will amount to Rs 1307-7-2 as per list received from the President.
	23 The recurring expenditure on account of

NOTE—Contn. sheet.

GPB—50.000—12-8-10

6852 6

G. R. S. 12]
General and Revenue Secretariat.

Sanitary File No. 158 of 1909-10

Serial No.

establishment and other charges will amount to Rs 87/- per mensem, or Rs 1044/- per annum.

Details

1 Hospital Assistant, 3rd class (25+10)	Rs 35/-
1 Laboratory attendant (10+2)	Rs 12/-
Contingencies	Rs 15/-
House rent	Rs 25/-
Total Rs	87/-

24 As the matter involves additional expenditure Branch II has to be consulted.

D.O. No. 25 The L.B. section will please note whether the charge is not due properly debitable to the Sanitary Board funds and what the financial condition of the Sanitary Board is -

25.4.11

28.4.11 Mlle

1075 28/4/11

Submitted

26 The cost of the proposed Bacteriological laboratory at the Kolar Gold Fields does not appear to be a legitimate charge on the Sanitary Board funds

NOTE—Contn. sheet.

GPB—50,000—12-8-10

G. R. S. 12]
General and Revenue Secretariat.

Sam File No. 158 of 1909

Serial No.

in as much as the cost of the medical institutions is not debited to those funds, but to the Medical budget. The financial condition of the Sanitary Board Kolar Gold Fields is noted below: —

Estimated opening balance on 1st July 1911 and of the Sanctioned budget for 1911-12	Rs 59,169
" receipts for 1911-12	72,900
Total	132,069
" Expenditure	92,715
" closing balance.	39,354

Rs 69 sng 29/4/11 2. The Sanitary administration of the local area is entrusted to the Sanitary Board and as the establishment of a Bacteriological Laboratory in the Kolar Gold Fields is in connection with the sanitary administration of the area, it seems that the necessary funds should be provided by the Board. The Board however plead inability to meet the cost

1st Cr) 1.5.11 Mlle

NOTE—Contn. sheet.

GPB—50,000—12-8-10

Serial No.

28 If I remember aright, a Bacteriological Laboratory was sanctioned for Mysore City. How were the charges allocated?

KRM 4/5/11

MM 5-5-11

29 Ind. File 509-08 on the subject is submitted. The Municipal Council are prepared to bear both the initial & recurring charges of the Laboratory. Final orders have not yet been passed in the matter.

KRM 30 The monthly working expenses seem to be heavy. It is not known whether an Hospital Asst. is necessary for the Laboratory as proposed. In the Mysore City, the monthly working expenses are estimated at Rs 30. As stated in the office note above, the Municipal Council of Mysore have agreed to bear the initial and recurring charges of the Laboratory.

182 Cr. 16.5.11. MM

GPB—50,000—12-8-10

8/1

G. R. S. 12]
General and Revenue Secretariat.

Sam File No. 158 of 1909-10

Serial No.

Extract from the Dewan's order dt 17th May 1911 about rent for the Laboratory at the Kolar Gold Fields - para 3rd of the note to RO file no. 257 of 1910 regarding the grant of house rent to Dr Municipl Health officer Kolar Gold Fields.

To ——— To

We may sanction the higher house rent which the Sanitary Board propose to pay to their Health officer. But we must decline to pay rent for one of their own (or for the matter of that any body else's) houses for a Laboratory yet to come into existence for the sole benefit of the Kg. 7 Sanitary circle.

To see ir for putting with the file in accordance with Secretary's order (Sd) J. A R. 17/5/11

para 38). The Dewan's observation about rent for the Laboratory will be extracted & put up in the file re the Lab (Sd) C.S.B 19.5.11

A.P.J 23/5/11

P.S.bg 25/5/11

NOTE— Contn. sheet.

GPB—50,000—12-8-10

Serial No.	
	31 The charges will have to be met entirely by the Sanitary Board - Please quote the instance of Mysore city why should there be so great a difference in cost of maintenance? Get details from Mysore City - WPM 13/5/11
	32 Put up draft - 15-5-11 Mlle
	33 Draft submitted 16.5.11 34 Issued 17-5-11 Mlle
6	35 To Sanitary Comr No 9577 & 20.5.1911. Observes that the working charges are far in excess of those proposed for the laboratory at Mysore which is only Rs 30/-, enquires details for this Rs 30/- and states that the entire charges will have to be met by the Sanitary Board
7	36 From Sanitary Comr No 5424 & 30.5.1911. States that the 30 Rs provided for the working charges of the Mysore Laboratory is made up of :—

G. R. S. 12]
General and Revenue Secretariat.

San File No. 158 of 1909-10

Serial No.

Rs
10-- A Laboratory peon (Assistant)
20-- Chemicals, Kerosine oil &c.
30-- Total

3) The Sanitary Comm'r's letter is silent on 2 points viz 1 Possibility ~~of~~ a reduction in the estimates of Charges for the laboratory at Kolar Gold Fields & 2 meeting the entire charges by the Sanitary Board. Draft letter inviting attention to these points is put up for approval

Hm 8/6
1-6-1911

38 The initial outlay required viz Rs 1300 may be sanctioned

39 The recurring expenditure is estimated at Rs 87 a month - It may be reduced to Rs 27, the salary of the Laboratory Attendant (Rs 10 + 2) and contingent charges Rs 15 only being allowed, and the other charges viz Rs 25 + 10 per a third class Hospital Apt and Rs 25 per house rent being disallowed - There is no need to provide for house rent as the Laboratory is proposed to be located in a building belonging to the Sanitary Board.

40 The charges both initial

NOTE — Contn. sheet.

GPB—50,000—12-8-10

6852

6852

G.R.S. 12]
General and Revenue Secretariat.

File No. 157 of 1909-10

Serial No.

and recurring should be met by the Sanitary Board.

4) The financial condition of the Sanitary Board is noted on page 7 supra. Forwarded to Br II for favour of opinion as regards the proposal.

8.6.11

H Lewis 11/9
G.T
11/6

Sub 9
4909(86)
10/6/11) 4) So long as the charges are met & the
B/6
10/6/11 K.G.T Sanitary board there is not much objection but in the interest of the Board itself whose finances are of a Class with other Mkts & D.Ts — Expenditure exceeding the income — it is proposed to have an authorised scheme — & estimates & be absolutely necessary for immediate work & the Health Officer himself may see sanitary and all ideas of having anything more in the shape of a definite Laboratory dropped — the most to do at the present moment is possible how strengthened & the addn of particular qualification — & to undertake to make detailed & exact examinations & send out. Hence therefore no good case made out for the opening of a health Laboratory on the field. A Scale of charges on the lines of Price.

A R D
11/6

NOTE—Contn. sheet.

GPB—50,000—12-8-10

G. R. S. 12]
General and Revenue Secretariat.

San File No. 158 of 1910-11

Serial No.

Submitted

43. In Govt. Pro. No 9976-8 dated the 2nd June 1911, (Govt 509-08-7) sanction was accorded to a scheme at an initial cost of Rs 1501/- to be met from Municipal funds for carrying on the simple analysis in connection with water examination in the Mysore city; with the observation that more complicated cases may be done in the Bacteriological Laboratory at Bangalore as at present. The file is now before the Dewan.

13.6.11

44. Please put up draft sanctioning the proposal, the recurring cost being fixed as in my note dated 8th June 1911, provided the Sanitary Board are willing to bear the entire cost both initial and recurring.

14.6.11 Dewan

45. Draft submitted for perusal and approval (1516) or other orders.

16.6.11 17-6-11 Dewan

3509/11-6-11

46. May be approved

21/6/11

Dewan

12214

24-6-11

Draft approved by the Dewan 29.6.11 Dewan

216

NOTE—Contn. sheet.

GPB—50,000—12-8-10

1.7.11 Dewan

San File No. 158 of 1909-10

Serial No.	
8	To the Sanitary Board, Coimbatore, President of the Sanitary Board, Kolar Gold Fields, Mr. P. Bramwell Smith, R. A. Member. No 204-4 dated 11.7.11 Sanctions the establishment of a Bacteriological Laboratory at the Kolar Fields provided the Sanitary Board are willing to meet from their own funds the entire cost, both initial and recurring. San 158-09-8

NOTE— Contn. sheet.

GPB—50,000—12-8-10

Sec VI

G.R.S. 26]

File No. 158/09

Serial No. 2

Diary No. of letter replied to 6643

General and Revenue Secretariat
(Secy)
, *the* 190

Date of issue 4.4.10.

Signed by [illegible]

No. 8857
Sanit 15609-2
dy 4.4.10

To
The Secy to Govt in Mysore

Has the honor to invite the attention of the Secy to Govt to clause (b) of Subject No 411 discussed at the Dasara Representative Assembly of 1909, re the establishment of a Bacteriological Laboratory (under the H.D.K.S.T.) and to request him to be so good as to favour Govt with his opinion in the matter.

By order
[illegible]
for Secy.
dy 7/4/10

31/3/10

over.

SUBJECT.

Copy Sanit
2-4-10

2

8254

No. S-479
Enc.

OFFICE OF THE SANITARY COMMISSIONER
IN MYSORE,

Dated, Bangalore, the 14-5-1910

San 158-09-3

From

LT.-COL. JOHN SMYTH, M.D., I.M.S.,
Sanitary Commissioner to the Government of
His Highness the Maharaja of Mysore,
BANGALORE.

To

C.S.Balasundram Iyer Esq., B.A.,
Secretary to the Government of His Highness the
Maharaja of Mysore, General and Revenue Departments,
BANGALORE.

Sir,

In reply to your No. 8856 San.158-09 dated the 4th April 10 inviting attenti onto clause (6) of subject No. 411 discussed at the Dasara Representative Assembly of 1909, I have the honor to state that the question of a laboratory for the Medical Officers of Health has been under correspondence long before it was thought of by the Representative Assembly. Every detail as to its fitting has been decided upon and all that is wanted is a couple of rooms somewhere near the the residence of the Medical Officer of Health for its accommodation. It is of course absolutely necessary that such a laboratory be opened.- not merely a Bacteriological laboratory, but a small -- Health Laboratory, both Bacteriological & Chemical.

I have the honor to be,

Sir,

Your most obedient servant,

A K Rau
I.M.S.
~~Lt.Col. I. M. S.~~,
for Sanitary Commissioner, M.S.

Public Health Department.

IV
16/5

191 -1

From

The Sanitary Commissioner
to the Government of Mysore.

To

The Secretary to the Govt. of H.H. the
Maharaja of Mysore, Gen. & Rev. Depts.
Bangalore.

Dated 14-5-10.
Despatched

Received

General No. 5479

Enclosure No. nil

Re. filling up of Valvoline
tins at Kolar gold fields.

~

V.G

Revise draft.

3

G.R.S. 26]

25(a)-10.

File No.

Serial No. 1

27/9/10

*Diary No. of letter replied to*____

No. 3090
Sanity 158-09-
29.9.10

General and Revenue Secretariat
( )
, *the* 190

To The Sanitary Commissioner

Date of issue 29.9.10

Signed by [illegible]

I am directed to refer to your letter No 5479 dated the 14th instant, stating that it is absolutely necessary to have a small Health Laboratory on the Kolar Gold Fields.

I am to request the Sanitary Commissioner to be so good as to submit in consultation with the Sanitary Board, Kolar Gold Fields definite proposals in the matter of establishing a Health Laboratory in the Kolar Gold Fields with information as to the cost of fitting up the Health Laboratory, the establishment required for working it, the place where the Laboratory may be

over.

UBJECT.

9/10/09

4

Location and the sources on the current year's budget from which the expenditure involved will be met.

By order

Illegible

Friedberg.

List of enclosures,

Copied by

Examined by 28.9 1910

GPB– 10,000–23-5-08

No. 4753
Enc. 400 Correspondence.

OFFICE OF THE SANITARY COMMISSIONER
IN MYSORE,

Dated, Bangalore, the 20-4- 1911

Sam 15-8-09
SL-5

From

LT.-COL. JOHN SMYTH, M.D., I.M.S.,
Sanitary Commissioner to the Government of
His Highness the Maharaja of Mysore,
BANGALORE.

To

C. S. Balasundaram Iyer Esq., B.A.,
Secretary to the Government of His Highness the
Maharaja of Mysore, General and Revenue Departments,
BANGALORE.

Sir,

With reference to your No. 3090 Sanitary 158-09-4 dated the 29th September 1910, I have the honor to forward herewith copies of correspondence ending with D.O. dated the 31st Ultimo from the Deputy Commissioner, Kolar District and President, Sanitary Board, Kolar Gold Fields, regarding the establishment of a Bacteriological Laboratory on the Kolar Gold Fields. The building recommended for locating the Laboratory appears to me to be suitable.

2. It will be seen that the initial outlay required is about Rs. 1300/- and the annual working charges including the cost of establishment, Rs. 1044/-.

3. If Government are pleased to sanction the expenditure out of provincial funds the charges that may be incurred during the current year may be debited to the savings available under IV Public Health Laboratory - 5 Laboratory

I have the honor to be,
Sir,
Your most obedient servant.

Sanitary Commissioner.

Public Health Department.

1910-11.

From

The Sanitary Commissioner
to the Government of Mysore.

To

The Secretary to the Govt. of H.H. the
Maharaja of Mysore, Gen. & Rev. Depts.
Bangalore.

Dated 26 ~~6~~ 11

Despatched

Received

General No. 4753

Enclosure No. 4 ~~0~~ Cons.

Submitting proposals for the establishment of a Bacteriological Laboratory on the Kolar Gold Fields.

Letter No. 164 C dated the 7/8th. March 1911 from the President, Sanitary Board, Kolar Gold Fields, to the Sanitary Commissioner in Mysore, Bangalore.

With reference to your letter No. 704 dated the 6th. August 1909, enquiring if a suitable building can be found for locating a Bacteriological Laboratory on the Kolar Gold Fields and if so what its rent would be, and letter No. 1927 dated the 29th. ~~December~~ October 1910, calling for definite proposals in the matter of establishing the Laboratory &c, I have the honor to state as follows:-

Since receiving the first of the letters above referred to, I have been on the look out for suitable building for the location of the Laboratory, all over the Fields, but in vain. No building of any kind can be found either for rent or for love, the dearth for buildings in these parts, where they are even now only daily being constructed all over, to meet the requirements of the times, being so well known to all. In a short time, a small house that was till recently in the occupation of the Health Officer, originally built at Robertsonpet by the Sanitary Board for a Sanitary Inspector is likely to become available, as it is no longer suitable for the Health Officer, and the Board will be agreeable to let it to Government for their Laboratory for Rs. 25 per month. which is a very fair and reasonable rent on the Fields. This small house has been inspected by Col. Smyth and Dr. Achyuta Rao, and I understand both are of opinion that it may come in handy as residential quarters to the Lady apothecary in charge of the Maternity when it is opened, being so close to the Coronation Buildings and the Government Civil Hospital, or to the Hospital Assistants who are now without houses and are therefore being paid house rents by Government. But till then, the Government Bacteriological Laboratory may be located in the said building, as the establishment of it has long been pressed for by the Mining Board, and the matter

delayed

delayed till now, only for want of a suitable building.

3. As to the cost of fitting up the Laboratory, I forward herewith a list of apparatus, books, appliances, drugs &c required to start the Institution, which will cost about Rs. 1300.

4. Regarding the establishment &c. required, the services of at least a third class Hospital Assistant are absolutely needed to assist the Health Officer, as during an epidemic of plague or cholera, the Health Officer's energies will be principally required for out door work when the work in the Laboratory also will be at a high pressure. A Laboratory attendan on Rs. 10 plus 2 and a small contingent allowance of Rs. 15 fo purchase of country drugs &c., will, for the present, quite serve the purpose. The recurring expenditure on account of establishment &c will thus amount to Rs. 87 per mensem, or Rs 1,044 per annum as shown below:-

1.	Salary of third class H. A	Rs. 25 plus 10
2.	" Laboratory Attendant 10 plus 2	12
3.	Contingent Charges	15
4.	House rent	25
	Total	87

5. As the establishment of this Laboratory has been urgently pressed for by all concerned, I request that you may be so good as to obtain early sanction of Government to these proposals, so that work may be started as early as possible.

"C O P Y"

M.D.,
Lt.-Col., I.M.S.,
Sanitary Commissioner.

List of articles required for the use of the Bacteriological Laboratory at Kolar Gold Fields.

No.	Quantity.	Description.	Amount. £.	S.	d.
1.	4 lbs.	Cotton wool	0	8	0
2.	1 lb.	Sodic Chloride (Bottle)...	0	0	6
3.	1 lb.	Grape sugar (jar)	0	5	6
4.	¼ lb.	Sodic Carbonate. (Bottle)	0	0	6
5.	1 lb.	Caustic Potash. (Chemically pure)... ...	0	1	9
6.	1 lb.	Absolute Alcohol pure (Bottle)	0	4	9
7.	1 lb.	Alcohol Rectified Spirit (Bottle) 90% ...	0	4	6
8.	1 Oz.	Tannine	0	0	4
9.	1 Oz.	Ferrous Sulphate	0	0	1
10.	6 sets.	Beaker glasses in rests of No.1.5	0	9	3
11.	1 Doz.	Stoppered glass bottles. Carbine green wide mouthed 8 Oz....	0	3	6
12.	2 Doz.	do. do. do. narrow mouthed 8 Oz....	0	3	6
13.	1.	Desicator	0	18	0
14.	12.	Capsules Porcelain, 2 Oz....	0	7	0
15.	12.	.. .. 3 Oz	0	9	0
16.	1 litre	Nessler's solution	0	10	6
17.	6.	Nessler's glasses two mark 1.50 ccs - 100 ccs	0	12	0
18.	1 lb.	Ammonia	0	0	6
19.	1 litre	Silver Nitrate solution, standard for ...	0	4	6
20.	1 litre	Clark's soap test solution	0	5	6
21.	2.	Morter and Pestle No. 1. 4" dia, porcelain			
22.	1.	.. .. No. 4. 8" dia,	0	6	0
23.	1.	Lactometer, with jar in cases	0	0	10
24.	¼ lb.	Yellow Chromate of potash...	0	0	8
25.	1 Oz.	Silver Nitrate	0	2	4
26.	1 lb.	Soap coslite	0	0	10
27.	¼ lb.	Oxalate Ammonia...	0	0	8
28.	1 lb.	Solution of Ammonia sulphide	0	0	8
29.	1 lb.	Ferrocyanide of " K "	0	1	8
30.	2 Oz.	Cyanide of " K "	0	0	4

6-2-9

No.	Quantity.	Description.	Amount. £.	s.	d.
			6	2	7
31.	2 Oz.	Sulphus Cyanide of " K "	0	0	6
32.	½lb.	Ammonia Liquor.			
33.	2 Oz.	Acetate of lead...	0	2	2
34.	¼ lb.	Copper sulphate...	0	0	4
35.	¼ lb.	Ferric per chloride	0	0	6
36.	2 lbs.	Sulphide of iron	0	0	8
37.	¼ lb.	Ammonia Chloride	0	0	6
38.	¼ lb.	Phosphate of Sodium	0	0	4
39.	2 Oz.	Barium Nitrate	0	0	2
40.	1 Oz.	Molybolic acid	0	0	5
41.	½ lb.	Magnesium chloride	0	0	6
42.	1 lb.	Magnesium sulphate	0	0	6
43.	½ lb.	Potash permanganate	0	0	4
44.	1 Oz.	Potash iodide	0	0	9
45.	1 lb.	Hyposulphate			
46.	1 lb.	Starch	0	0	4
47.	2 dr.	Bruicine	0	1	0
48.	½ Oz.	Urea pure	0	0	4
49.	2 dr.	Metaphenylene diaminic	0	0	10
50.	2 Oz.	Basic Hydrate			
51.	1 Oz.	Iodium	0	0	11
52.	2 Oz.	Mercuric Chloride	0	0	6
53.	6 Oz.	Hyposulphate			
54.	1.	Steralizer (kocks) copper	2	15	0
55.	1.	Hearson's incubator, model C. Complete ...	5	6	0
56.		Swift microscope lamp	0	15	0
57.	½ gross	Slides 3" x 1½"...	0	2	3
58.	½ gross	.. 3" x 1"	0	2	3
59.	1 lb.	Acid nitric	0	0	6
60.	½ lb.	Picric acid	0	1	0
61.	2 lbs.	Sulphuric acid	0	0	3
62.	1 lb.	Xylol Nentral	0	1	6
					15-16-6

No.	Quantity	Description.	Amount. £.	s.	d.
			15-	18	6
63.	¼ lb.	Aniline oil (pure)	0	0	8
64.	1 Oz.	Xylol Balsum	0	0	7
65.	10 grs.	Fasm in water	0	0	11
66.	1 Oz.	Ferrant's medium	0	0	4
67.	50 grms	Fuchsin	0	3	6
68.	4 lbs.	Gelatine	0	10	0
69.	100 grmms	Carbal Fuchsin	0	0	10
70.	50 ..	Gentian Violet	0	3	0
71.	1 lb.	Glycerene	0	1	9
72.	1 lb.	Gum arabic	0	3	0
73.	12 books	each litmus paper, ~~red;~~ red and blue ...	0	2	0
74.	50 gramms	Methylene blue	0	3	6
75.	½ lb.	Peptone (Willis)	0	6	0
76.	1 Oz.	Potassium iodide	0	0	9
77.	1.	Stokes' tube	0	2	6
78.	10 grammes	Bismark blue	0	0	8
79.	1 lb.	Ether sulphuric...	0	7	6
80.	1 lb.	Cream tube...	0	0	9
81.	2 gross	Test tubes 6" x ¾" (without rim)	0	15	0
82.	2 Doz.	Petric dishes (3 inches)	0	15	0
83.	1 Doz.	Flasks glass 8 oz. size	0	5	0
84.	1 Doz.	.. .. 16 Oz. size	0	11	0
85.	1 Doz.	.. .. 45	0	18	0
86.	1 Doz.	Cover glasses for oil immersion ¾" sq. ...	0	7	0
87.	2.	Hollow slides with cemented rings	0	1	2
88.	12.	Hollow slides 3" x 1"	0	5	6
89.	3	Pencils for writing on glasses...	0	1	3
90.	6.	Cornet Forceps	0	9	0
91.	1	Kulmes ..			
92.	2	Section lifters...	0	1	6
93.	2	Bell jars	0	10	0
94.	1.	Balsom bottle 2 Oz.	0	0	3

No.	Quantity.	Description.	Amount. £.	s.	d.
			23-	6-	11
95.	6.	Acid bottles 2 Oz.	0	5	0
96.	3	Blow pipes...	0	6	0
97.	24.	Dropping botles. 1½ Oz.	0	9	0
98.	1 box.	Chardrines filter paper	0	3	0
99.	100	Filters (18 colors)	0	2	6
100	1	Filter stand (.tripod)...	0	0	10
101	6.	Bohemian Flask 250 cc capacity...	0	4	0
102	3	Lets funnels			
103	3	Funnels 6"...	0	4	0
104	1 lb	Glass rod assorted	0	5	0
105	1 lb.	Glass tubing	0	5	0
106	1	Hot water funnel	0	9	6
107	1	Hypodermic syringe cocks	0	5	0
108	6	Platinum needle (wire)	0	10	0
109	2 gross	Test tubes 5" x ⅝"	0	15	0
110	3.	Wire baskets	0	6	0
11	1.	Thermometer 150 c.	0	3	0
112	1.	.. 203 c.	0	3	0
113	1.	.. on Farenheit's scale	0	5	0
114	2.	Wash bottles	0	5	0
115	12	Watch glasses	0	1	0
116	1	Water bath...	0	13	6
117	1 Sq. ft.	Wire gauze, copper	0	1	8
118	1 lb.	Acid acetic	0	0	4
119	1 lb.	Acid Carbolic	0	1	2
120	1 lb.	Acid Carbolic crude	0	0	6
121	½ lb.	.. Hydrochloric	0	0	4
122	1 lb.	.. .. common...	0	0	2
123	3	Retorts, 16 Oz. size, with stopper	0	2	0
124	6	.. 24	0	8	6
125	1.	Lubys apparatus for distilling water with copper jacket...	0	15	0
126	2.	Kerosine oil stoves Primus	1	1	0
			31	-17	-11

No.	Quantity.	Description.	Amount. £.	s.	d.
			31-	17-	11
127	9	Tubes for Luby's condenser	0	5	0
128	4	Glass bureths holding 25c.cs into c.cs and 1/15 of c.cs with stopper and stop-cock	0	18	0
129	2.	.. .. .. with stands	0	7	0
130	2.	Glass peppets graduated to deliver 10.20, 50 and 100 c.cs	0	17	10
131	3.	Buchner tubes for making anaerobic culture	0	2	3
132	2.	Ordinary form of fermentation tubes... ...	0	10	0
133	2.	Durham's tubes for showing gas formation...	0	5	0
134	1.	Microscopic zuss with A.D. for Bacteriological work with stand and 1.1/12" oil immersion lenses, 2 eye pieces and 4 nose pieces, triple...	21	2	0
135	4.	Spirit lamps for different sizes	0	4	6
	1.	Beakers balance for rough work...	1	0	0
136	1.	Balance Verhberg No. 2A, chemical in glass case for delicate work with weights, 100 grammes and downwards...	6	15	0
137	1.	Pasteur (Chamberland) filter...	1	5	0
138	30 grms.	Cedar oil			
139	1.	Platinum crucible 1"" dia. 1½" deep with lid...			
140	1.	Platinum dish for water analyses	15	0	0
		T O T A L .	80-9-6 79	15	10

Roughly Rs. 1,200/-

Books for reference.

		Rs.	A.	P.
1.	Curtis's Essentials of practical Bacteriology latest edition			
2.	Muir and Ritchies do. do. do.			
3.	Strange ways and Pragg. clinical pathology latest edition	100	0	0
4.	Notter and Ferth Hygiene, latest edition			
5.	Park and Kenwood do. do. do. do.			
		100	0	0

	Rs.	A.	P.
Apparatus, Chemicals etc	1,200	0	0
Books of reference	100	0	0
T O T A L . .	1,300	0	0

Sd/- P.W. Bowring.
For President, Sany. Bd.
Kolar Gold Fields.

" Copy "

~~For~~ Sanitary Commissioner.

P.H.

Letter No. 4301 Dated the 23rd March 1911 from
the Sanitary Commissioner to the Kolar Deputy Commissioner.

In acknowledging receipt of your letter No. 164 C. dated the 7/8th Instant, I have the honor to request that you will be so good as to point out the source from which the estimated cost of equipping and working the proposed Bacteriological Laboratory can be met. It seems to me the items are debitable to the Sanitary Board Funds.

" Copy "

For Sanitary Commissioner.

P.H.

D.O. dated the 31st March 1911 from the Deputy Commissioner, Kolar to the Sanitary Commissioner in Mysore.

My dear Col. Smyth,

Anent the enclosed official enquiry from your office regarding the Kolar Gold Fields Bacteriological Laboratory, I would like to say a few words for your kind consideration.

It was all along understood that the Laboratory would be a provincial institute to be started soon after the Hospital was opened, for research in the cause of science and general advancement, and as an auxiliary to the Institute at Bangalore, relieving it of a great portion of its work - especially the examination of the Bethamangala water periodically for which the Chemical Examiner has now been ~~remaining~~ running to and fro Bethamangalam off and on at Government cost, which would otherwise be a saving. Bacteriological Examinations in times of Plague, Cholera or other epidemics and of food stuffs, water etc, are in the interests of all concerned and not merely for the benefit of any particular locality, and as such it would be more a provincial concern than that of any small local body or board such as ours with so small limited resources.

The Sanitary Board, besides, have already had too many calls on their funds, and it was with the greatest difficulty that I persuaded them to contribute to the extent of Rs. 20000/- for the Maternity Hospital. Even then, while sanctioning it, the Board feared that if they once started such contributions, there might be no limit! but I assured them that they need have no such fear. A large number of works, such as drainage, roads, conservancy etc, have all been deferred for want of funds for the present, and to tack on the Bacteriological Laboratory also to the Board would only mean another heavy burden on their already crippled finances which can scarcely afford to bear the same without serious embarrassment and

and prejudice to their ~~order~~ own far more legitimate demands.

Under these circumstances, I am not sure if you would still consider that the Board should pay for the Bacteriological Laboratory, which were best, in the interests of all, maintained from the Provincial Funds.

I therefore request that you may very kindly reconsider the matter and obtain the needful sanction of Government for the opening of the Laboratory as early as possible, on the lines indicated in my last official letter.

" Copy "

Sanitary Commissioner

P.H.

6852/17/11 2

70/10

17

G.R.S. 26]

File No. 158-09

Serial No. 6

Diary No. of letter replied to

No. 9577
Sanity 158-09-6
20.5.11

General and Revenue Secretariat

, the 19 ..

To

The Sanitary Commissioner

Date of issue 20-5-11

Signed by [illegible]

His letter No 4753 dated the 2nd April 1911, submitting proposals regarding the establishment of a Bacteriological Laboratory at the Kolar Gold Fields.

Has the honour to observe that the working charges of the proposed Laboratory is put in excess of the one proposed for the Anantapur which is only Rs 30/- per mensem and to request the Sanitary Commissioner

over.

SUBJECT.

10

to be so fixed as to form with the
details for the sum of Rs 30/- the
The working charges of the proposed
Bacteriological laboratory at Kasauli
2 The charges connected with
the establishment of a Bacteriological
laboratory at the Kolar Gold Fields
will have to be met entirely
by the Sanitary Board as soon
Charges in the Municipality have been
proposed to be met from the
Municipal funds.

By order

Hill

for Secretary

Copied by 16/9/15

Examined by 16/9/15

GPB—20,000—23-9-10

No. 5426
Enc. nil

OFFICE OF THE SANITARY COMMISSIONER
IN MYSORE.

Dated, Bangalore, the 30th May 1911.

Rs 76.90

Sem 158-09

From T. V. Armugam Mudr. Esq.,
~~Lt.-Col. JOHN SMYTH, M.D., I.M.S.,~~
Offg. *Sanitary Commissioner to the Government of*
His Highness the Maharaja of Mysore,
BANGALORE.

To
C. S. Balasundaram Iyer Esq., B.A.,
Secretary to the Government of His Highness the
Maharaja of Mysore, General and Revenue Departments,
BANGALORE.

Sir,

With reference to your No. 9577/Sanity 158-09-6 dated the 20th. Instant, I have the honor to note hereunder the details furnished by the President of the City Municipal Council, Mysore, for the sum of Rs. 30/- being the working charges of the proposed Bacteriological Laboratory:-

(1) A Laboratory peon (Asstt)	10-0-0
(2) Chemicals: kerosine oil &c.	20-0-0
Total Rs.	30-0-0

I have the honor to be,
Sir,
Your most obedient servant,

For Sanitary Commissioner.

Public Health Department.

From

The Sanitary Commissioner
... nt of Mysore.

To

The Secretary to the Govt. of H.H. the Maharaja of Mysore, Gen. & Rev. Depts.
Bangalore.

Dated 30 14 May 1911

Despatched

Received

General No. 5424

Enclosure No. Nil

Furnishing details for a sum of Rs: 30/- being the working charges of the proposed Bacteriological ~~Research~~ Laboratory in the Mysore City.

G.R.S. 28.]

File No. 158-9

Serial No.

Diary No. of letter replied to 7490

Proceedings of the Government of His Highness the Maharaja of Mysore.

GENERAL AND REVENUE SECRETARIAT.

READ—

Subject No 411 of the Dasara Representative Assembly of 1909 suggesting the establishment of a Bacteriological Laboratory at the Kolar Gold fields

ORDER THEREON.—No

1. Correspondence ending with letter No. 4753 dated the 20th April from the Secretary Board submitting proposals on the [redacted] re

over

SUBJECT.

GPB—10,000—19-4-10

Order thereon, 201-4 dated 15-8-09 - 8 · 8 11-211

21

In view of the representation of the Kolar Gold Fields Sanitary Board and the recommendation of the Sanitary Commissioner to Govt. are pleased to accord sanction to the establishment of a Bacteriological Laboratory at the Gold Fields on the understanding that the Sanitary Board is willing to from their own funds meet the entire cost both initial and recurring. The initial outlay required is about Rs 1300 and the annual working charges including establishments, are estimated at Rs 1044. The latter item The recurring cost shall be met from the ~~general~~ financial condition of the is capable of being reduced to Board be intimated. Rs 27/- a month or Rs 324 per annum as noted in the margin, ~~the cost of the~~ ~~charges being Rs 87 for a month as proposed by the Hospital Assistant at Rs 25 per month for the Sanitary Board's establishment. There~~ as there is no need for the payment of house rent since the Laboratory is proposed to be located in a building belonging to the Sanitary Board and the services of a separate Hospital Asst for the Laboratory do not seem to be required.

Laboratory Attendant Rs 10+2	Rs 12/-
Contingent charges	Rs 15/-
	Total Rs 27/-

Presented by

The Sanitary Commissioner
Commissioner, Mysore
President of the Sanitary Board, Kolar Gold Fields
Mr. P. Bernath Smith, K.A.S. (Retired Deputy Commissioner, K.G.F.)